

Autochair *Liberty*

Automatic Wheelchair Carrier



Operating Instructions

Congratulations on the purchase of your Autochair *Liberty* manufactured by Autochair Ltd.

**Please read through these instructions thoroughly
before operating your Autochair *Liberty***

The Autochair *Liberty* is designed to lift folding manual wheelchairs and folding electrically assisted wheelchairs and stow them on the rooftop of a vehicle. They should be fitted to the vehicle by a competent, professional fitter who will also ensure that the correct adjustments are made to the unit to ensure it is safe and simple to use with your particular wheelchair. The installer will also demonstrate the operation of your Autochair *Liberty* to you, so that you know the basics of how to use one.

Please note that your Autochair *Liberty* comes complete with a 12 month guarantee.

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Autochair *Liberty* – Safety Points

The function of the Autochair Liberty is to lift and store a folding manual wheelchair or electrically assisted wheelchair. It should not be used for any other purpose.

- Please read all instructions prior to use
- The Autochair *Liberty* has been adjusted specifically to your wheelchair by your installer. Using another wheelchair may result in malfunction or damage to the unit or the vehicle. If you change your wheelchair, please contact your local dealer to arrange for the necessary adjustments to be made and to confirm compatibility.
- Ensure the wheelchair is positioned securely on the wheelchair grip before attempting to load your wheelchair.
- Do not operate the unit whilst the vehicle is in motion.
- Be sure to control the wheelchair as it is raised or lowered to prevent contact with the bodywork of your vehicle.
- Please make sure that you are completely familiar with the operation of your Autochair *Liberty* before operating it yourself. Misuse of the product could result in injury.
- Never use a system that has visible or audible signs of damage or excess wear.
- It is recommended that your Autochair *Liberty* is serviced regularly to ensure continued safe operation. A minimum 12 month service is essential. Contact your local dealer for servicing details.
- Any adjustments or reinstallation of the unit settings or equipment must only be carried out by an authorised dealer.
- Take care when operating in windy or adverse conditions, on steep slopes, adverse cambers or in the dark. Make sure the wheelchair is under control when lowering or raising.
- Do not take your vehicle through an automatic car wash. Damage could be caused to the Autochair *Liberty*, the vehicle or the car wash.
- Do not use abrasive materials or solutions to clean the Autochair *Liberty* as there could be permanent damage to the exterior.
- Never use water to clean inside the Autochair *Liberty*.
- Do not use a power washer to clean the Autochair *Liberty*.
- Always refer to the combined height of your vehicle and Autochair *Liberty* when entering a height restrictive area. (See page 10)
- Do not exceed 70mph. Depending on the make and model of roof bars, this limit may be further reduced – please refer to your roof bar handbook.
- Wheelchair must be unoccupied

Loading Your Wheelchair

1. The main power switch will be fitted in a convenient location by your installer. To switch the unit on, flip the switch so the red face is showing. A regular slow beep (1beep/sec) will be heard to warn that power is on.



2. When the down button on the handset is depressed to activate the unit, the beep will become faster (3 beeps/sec) to indicate that operation has commenced.*



3. The front (right-hand side) door will begin to open; when it is approximately half open the rear (left-hand side) door will begin to open.



3. Continued (Both doors open)



4. When both doors have reached the fully open position the Autochair *Liberty* will begin deploying the lifting unit.



5. The wheelchair carrier will automatically tilt to place the lifting unit in a vertical attitude ready for the hoist to lower to approximately 30 - 60 centimetres from the ground.



*See hand control operation on page 8

6. Note - Be sure to guide the wheelchair grip as it lowers in order to prevent contact with the bodywork of your vehicle.



7. The rapid beep will revert to slow beep once the wheelchair grip has stopped moving. The down button should then be pressed once more and held in order to lower the wheelchair grip to the required height.



8. The wheelchair grip may now be slid under seat, as demonstrated. Ensure that the wheelchair grip is correctly positioned.



9. Pressing the up button will lift the seat and fold the chair simultaneously. If the chair has a locking folding system or is stiff, care must be taken to ensure the chair folds correctly. Damage to the wheelchair, vehicle or Autochair *Liberty* may occur if the wheelchair does not fold correctly.



10. The lift will then continue to rise until it is in the fully stowed condition; five longer beeps indicate that this has been completed.



Note - When lifting a chair it is advisable to apply light control with your hand to prevent the chair coming into contact with your vehicle.

Unloading Your Wheelchair

1. Switch on your Autochair *Liberty* with the conveniently located power switch.



2. Press the down button on the handset, the wheelchair will be lowered to approximately 30 - 60 centimetres from the ground. Ensure the wheelchair is controlled when lowering to prevent contact with the vehicle.



3. Once the wheelchair has stopped, press the down button on the handset again to lower the chair to the ground.



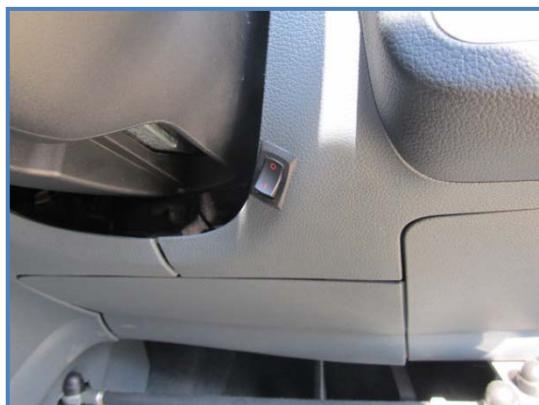
4. The wheelchair grip may now be slid out from under seat.



5. The up button can now be pressed to return the carriage to its stowed position. A sequence of five longer beeps will be heard when the carriage has reached the fully stowed position.



6. Once the operation is complete, be sure to switch off power to the Autochair *Liberty*. When power is off, the beeping will cease.



Technical Information:

Weight of the Autochair Liberty	92lbs (42kgs)
Maximum current draw	20 Amps
Maximum lifting capacity, SWL	77lbs (35kgs)
Power supply	12V
Product Material	RTM Moulded GRP, Aluminium Frame
Material finish	Resin Gel Coat, 2-tone grey colour

Autochair *Liberty* Status Code Information

The Autochair *Liberty* has a series of ‘beeps’ to denote its current status or progress. Below is a table to explain each beep.

Type of beep	Good or Bad?	Means?
Slow beep (1 beep/second)	Good	Power supply is on and unit is ready
Fast beep (3 beeps/second)	Good	Unit is in operation and working correctly
Continuous beep or tone	Bad	This means the unit has encountered a problem
10 beeps when turning the unit on	Warning	Unit is ready for servicing – Contact dealer

Trouble-Shooting and Frequently Asked Questions

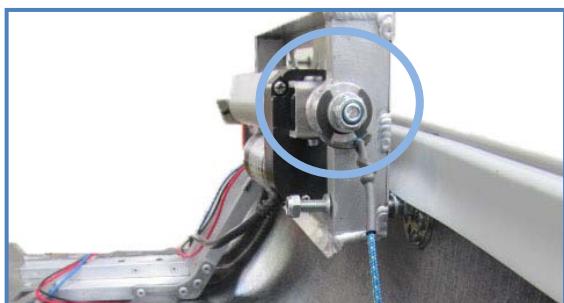
<u>Issue:</u>	<u>Suggestions:</u>
My Autochair <i>Liberty</i> is making an unrecognised sound	<ul style="list-style-type: none"> - See the “Beep” guide. Check for similar beeps or noises - Check for obstructions (overhanging foliage etc) and clear them if possible. - Check to make sure the unit is securely mounted. - If the sound is unrecognised (not a beep or obstruction) contact your installer or local agent.
Autochair <i>Liberty</i> won’t operate	<ul style="list-style-type: none"> - Check to make sure the unit is switched on. It will beep when switched on. - Turn the unit off and then on again - Check the fuse. This is next to the car battery - Check the car battery. Is it flat? Try to start the car and operate the unit. - If unit still fails to operate, contact your installer or local agent.
I can't open the Autochair <i>Liberty</i> doors	You can open the main doors by using the emergency door release chords located on the bottom of the box. See guide on next page
Autochair <i>Liberty</i> lifts slowly or lowers very quickly	<ul style="list-style-type: none"> - Make sure vehicle battery is in good condition. - Starting the car should boost the battery and improve lifting performance - Your wheelchair may be close to the weight limit of the Autochair <i>Liberty</i>. Ensure all operating procedures are followed correctly.
Servicing	<ul style="list-style-type: none"> - We recommend a service at least every year to ensure the safety, reliability and performance of your Autochair <i>Liberty</i>. - The in-built service reminder will count the number of operations and alert you when the unit has reached a pre-set number of operations requiring a service. This may be earlier than a year depending on the frequency of use.
What if my vehicle is involved in an accident?	As with all of our adaptations, if your vehicle has been involved in a road traffic accident, please contact your installer or local agent so they can assess the Autochair <i>Liberty</i> for damage or stress if any and decide upon the best course of action.

Autochair *Liberty* Emergency Door Release Procedure

1. Locate the red emergency release tab on the bottom of the Autochair *Liberty* shell.



2. This tab is connected by a length of chord to a retaining clip on the back of the door actuator.



3. Pulling down on the release tab will allow the chord to fully extend.



4. A sharp tug will pull the retaining clip off of the actuator, allowing the door to open freely.

Using the Hand Controller



The default setting for button operation is:-

Button depressed = Operate

Button released = No Operation

'Auto mode' can be selected as an option by your installer, if you prefer.

Auto mode button operation will be:-

Button depressed and then released =
The unit will automatically operate until either the fully stowed position or the unloaded position is reached.

A second depression of the button at any point will cause operation to cease; a third depression will resume operation.

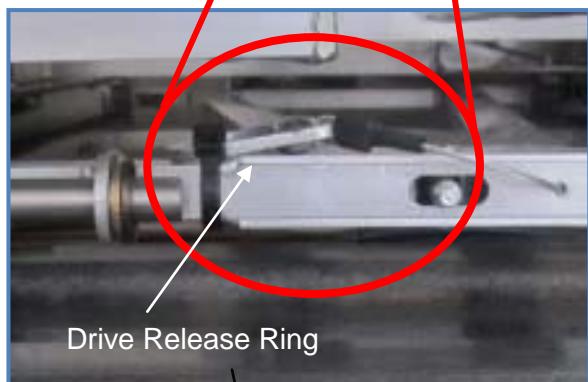
***Note –** Please let your installer know if you require auto mode as the settings will need to be adjusted when installing your unit.

**WARNING: DO NOT DRIVE WITH THE DOOR ACTUATOR DISCONNECTED.
THIS WILL CAUSE DAMAGE TO THE AUTOCHAIR LIBERTY AND COULD CAUSE INJURY!**

Autochair *Liberty* Emergency Wheelchair Carriage Drive Release

In the unlikely event that the Autochair *Liberty*'s electrics fail to operate, the wheelchair carriage can be disengaged from its drive, allowing for free movement on its rails. This will enable you to operate the lifting unit by hand. Before carrying out the Drive Release Procedure, the Autochair *Liberty*'s doors will need to be manually opened. Please see page 8 for Emergency Door Release Procedures

The Drive Release is activated by pulling a Drive Release Ring which is connected to the main drive gear via a cable. Pulling the ring will disengage the gear allowing the lifting unit to move freely.



Approach the Autochair *Liberty* from the side and look beneath the wheelchair tray for the release ring.

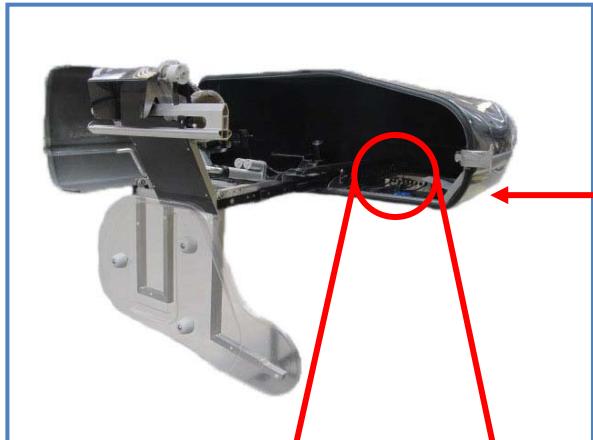
The release ring will be fastened to the lifting unit frame with a cable tie. This will need to be cut to use the release ring.

Once the release ring has been cut free, pull it straight towards you. Keep the release ring pulled out to keep the drive disengaged. Releasing the ring will re-engage the drive.

With the ring pulled out you can now extend the lifting unit and retrieve the wheelchair.

Autochair *Liberty* Emergency Hand Control Operation

The Autochair *Liberty* features a built in emergency hand control in the event that the main hand control unit fails to operate. If the unit doors are closed, the emergency door release will have to be used in order to access the backup hand control. (See page 8).



The emergency hand set is located towards the front (right-hand side) of the unit and is secured to the bottom of the box with Velcro.



It is hardwired directly into the electronics of the Autochair *Liberty* via a telephone style lead.



The emergency hand control operates in the same fashion as the regular hand control. It has two buttons, UP for raising the lifting unit and DOWN for lowering the lifting unit.

Please ensure all lifting/lowering procedures are followed as per standard operating instructions. (See pages 4-6)

Guarantee - Repair

The guarantee period for Autochair *Liberty* is 12 months from the date of delivery. This guarantee will cover any **defects of workmanship or function** of the Autochair Liberty

The guarantee **does not cover** any incorrectly installed Autochair *Liberty* or one whose mechanical or electrical components have been damaged due to **incorrect use or accident**.

The guarantee does not cover consequential loss, unless regional law requires otherwise.

The guarantee is invalidated if the seal on either the actuator or control box is broken. These contain no user serviceable components. No alteration should be made to the Autochair *Liberty* by anyone other than a qualified person, as defined by Autochair Ltd.

NO cables must be cut as they are fitted with connectors that must be correctly removed before repairs commence.

In the event of any malfunction of the electrical circuit box or handset which requires replacement, they should be removed and returned as a set.

Your Autochair *Liberty* has been supplied in keeping with our standard Terms & Conditions as previously provided. A copy of our Terms & Conditions are available on our website.

You can also fill in your guarantee form online at www.autochair.co.uk/guarantee

Please keep a note of the following:

1. Serial Number: _____ 9. Combined Weight: _____

2. Date supplied: _____ 10 Weight Margin: _____

3. Details of supplier: (Stamp):

4. Vehicle Roof Capacity: _____

5. Combined Vehicle Height: _____

5. Roof Bar Weight: _____

6. Roof Bar Capacity: _____

7. Wheelchair Weight: _____ 8. Combined Capacity: _____

Postcode/Zip: _____ Tel. _____

Notes: _____

Please complete service notes once service has been carried out

Service Date: _____	Service Date: _____
Notes: _____	Notes: _____
Action: _____	Action: _____
Engineer: _____	Engineer: _____
Company: _____	Company: _____

Service Date: _____	Service Date: _____
Notes: _____	Notes: _____
Action: _____	Action: _____
Engineer: _____	Engineer: _____
Company: _____	Company: _____

Service Date: _____	Service Date: _____
Notes: _____	Notes: _____
Action: _____	Action: _____
Engineer: _____	Engineer: _____
Company: _____	Company: _____



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